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### NEW NATURAL SULFOXIDES OF NUPHAR ORIGIN. STRUCTURE, CHEMISTRY, PUMMERER REARRANGEMENT

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## NEW NATURAL SULFOXIDES OF NUPHAR ORIGIN. STRUCTURE, CHEMISTRY, PUMMERER REARRANGEMENT

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Further studies on basic compounds from *Nuphar luteum* L.Sm. resulted in isolation of a new group of sulfoxides with thiohemiaminal type of structure.

The skeleton of the compounds in question was shown by the chemical transformation to the previously described thionuphlutine or thiobinupharidine and by mass spectrometry. The stereochemistry at C6, C6' and around sulphur atom was based on IR and NMR spectroscopy including use of chemical shift reagents, and - 6d<sub>1</sub>, - 6'd<sub>1</sub> and -6,6'd<sub>2</sub> derivatives.

The Pummerer rearrangement of some *Nuphar* sulphoxides was studied and the stereochemical course of the reaction was established.